



SEQUENCE LISTING

<110> White, David

<120> COMPOSITIONS, KITS, AND METHODS FOR PROGNOSTICATION, DIAGNOSIS, PREVENTION, AND TREATMENT OF BONE-RELATED DISORDERS AND OTHER DISORDERS

<130> 10147-16U1

<140> US 09/628,495

<141> 2000-07-28

<150> US 60/146,614

<151> 1999-07-30

<160> 9

<170> PatentIn version 3.1

<210> 1

<211> 613

<212> PRT

<213> Homo sapiens

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Val Ile Leu Ala Val Thr Lys Asn Lys Lys Leu Arg Asn Ser Gly Asn
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Ile Phe Val Val Ser Leu Ser Val Ala Asp Met Leu Val Ala Ile Tyr
65 70 75 80

Pro Tyr Pro Leu Met Leu His Ala Met Ser Ile Gly Gly Trp Asp Leu
85 90 95

Ser Gln Leu Gln Cys Gln Met Val Gly Phe Ile Thr Gly Leu Ser Val
100 105 110

Val Gly Ser Ile Phe Asn Ile Val Ala Ile Ala Ile Asn Arg Tyr Cys
115 120 125

Tyr Ile Cys His Ser Leu Gln Tyr Glu Arg Ile Phe Ser Val Arg Asn

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MAY 10 2002

TECH CENTER 1600.271)

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Leu Pro Asn Met Tyr Ile Gly Thr Ile Glu Tyr Asp Pro Arg Thr Tyr 165	170	175
Thr Cys Ile Phe Asn Tyr Leu Asn Asn Pro Val Phe Thr Val Thr Ile 180	185	190
Val Cys Ile His Phe Val Leu Pro Leu Leu Ile Val Gly Phe Cys Tyr 195	200	205
Val Arg Ile Trp Thr Lys Val Leu Ala Ala Arg Asp Pro Ala Gly Gln 210	215	220
Asn Pro Asp Asn Gln Leu Ala Glu Val Arg Asn Phe Leu Thr Met Phe 225	230	235 240
Val Ile Phe Leu Leu Phe Ala Val Cys Trp Cys Pro Ile Asn Val Leu 245	250	255
Thr Val Leu Val Ala Val Ser Pro Lys Glu Met Ala Gly Lys Ile Pro 260	265	270
Asn Trp Leu Tyr Leu Ala Ala Tyr Phe Ile Ala Tyr Phe Asn Ser Cys 275	280	285
Leu Asn Ala Val Ile Tyr Gly Leu Leu Asn Glu Asn Phe Arg Arg Glu 290	295	300
Tyr Trp Thr Ile Phe His Ala Met Arg His Pro Ile Ile Phe Phe Pro 305	310	315 320
Gly Leu Ile Ser Asp Ile Arg Glu Met Gln Glu Ala Arg Thr Leu Ala 325	330	335
Arg Ala Arg Ala His Ala Arg Asp Gln Ala Arg Glu Gln Asp Arg Ala 340	345	350
His Ala Cys Pro Ala Val Glu Glu Thr Pro Met Asn Val Arg Asn Val 355	360	365

Pro Leu Pro Gly Asp Ala Ala Ala Gly His Pro Asp Arg Ala Ser Gly
 370 375 380

His Pro Lys Pro His Ser Arg Ser Ser Ser Ala Tyr Arg Lys Ser Ala
 385 390 395 400

Ser Thr His His Lys Ser Val Phe Ser His Ser Lys Ala Ala Ser Gly
 405 410 415

His Leu Lys Pro Val Ser Gly His Ser Lys Pro Ala Ser Gly His Pro
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Lys Ser Ala Thr Val Tyr Pro Lys Pro Ala Ser Val His Phe Lys Gly
 435 440 445

Asp Ser Val His Phe Lys Gly Asp Ser Val His Phe Lys Pro Asp Ser
 450 455 460

Val His Phe Lys Pro Ala Ser Ser Asn Pro Lys Pro Ile Thr Gly His
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His Val Ser Ala Gly Ser His Ser Lys Ser Ala Phe Ser Ala Ala Thr
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Ser His Pro Lys Pro Ile Lys Pro Ala Thr Ser His Ala Glu Pro Thr
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Thr Ala Asp Tyr Pro Lys Pro Ala Thr Thr Ser His Pro Lys Pro Ala
 515 520 525

Ala Ala Asp Asn Pro Glu Leu Ser Ala Ser His Cys Pro Glu Ile Pro
 530 535 540

Ala Ile Ala His Pro Val Ser Asp Asp Ser Asp Leu Pro Glu Ser Ala
 545 550 555 560

Ser Ser Pro Ala Ala Gly Pro Thr Lys Pro Ala Ala Ser Gln Leu Glu
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Asp Glu Met Ala Val
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 <213> Mus sp.

<400> 3

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Thr Pro Phe Gly Cys Ile Gly Cys Lys Leu Pro Lys Pro Asp Tyr Pro
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Pro Ala Leu Ile Ile Phe Met Phe Cys Ala Met Val Ile Thr Val Val
 35 40 45

Val Asp Leu Ile Gly Asn Ser Met Val Ile Leu Ala Val Thr Lys Asn
 50 55 60

Lys Lys Leu Arg Asn Ser Gly Asn Ile Phe Val Ala Ser Leu Ser Val
 65 70 75 80

Ala Asp Met Leu Val Ala Ile Tyr Pro Tyr Pro Leu Met Leu Tyr Ala
 85 90 95

Met Ser Val Gly Gly Trp Asp Leu Ser Gln Leu Gln Cys Gln Met Val
 100 105 110

Gly Leu Val Thr Gly Leu Ser Val Val Gly Ser Ile Phe Asn Ile Thr
 115 120 125

Ala Ile Ala Ile Asn Arg Tyr Cys Tyr Ile Cys His Ser Leu Gln Tyr

130

135

140

Lys Arg Ile Phe Ser Leu Arg Asn Thr Cys Ile Tyr Leu Val Val Thr
 145 150 155 160

Trp Val Met Thr Val Leu Ala Val Leu Pro Asn Met Tyr Ile Gly Thr
 165 170 175

Ile Glu Tyr Asp Pro Arg Thr Tyr Thr Cys Ile Phe Asn Tyr Val Asn
 180 185 190

Asn Pro Ala Phe Thr Val Thr Ile Val Cys Ile His Phe Val Leu Pro
 195 200 205

Leu Ile Ile Val Gly Tyr Cys Tyr Thr Lys Ile Trp Ile Lys Val Leu
 210 215 220

Ala Ala Arg Asp Pro Ala Gly Gln Asn Pro Asp Asn Gln Phe Ala Glu
 225 230 235 240

Val Arg Asn Phe Leu Thr Met Phe Val Ile Phe Leu Leu Phe Ala Val
 245 250 255

Cys Trp Cys Pro Val Asn Val Leu Thr Val Leu Val Ala Val Ile Pro
 260 265 270

Lys Glu Met Ala Gly Lys Ile Pro Asn Trp Leu Tyr Leu Ala Ala Tyr
 275 280 285

Cys Ile Ala Tyr Phe Asn Ser Cys Leu Asn Ala Ile Ile Tyr Gly Ile
 290 295 300

Leu Asn Glu Ser Phe Arg Arg Glu Tyr Trp Thr Ile Phe His Ala Met
 305 310 315 320

Arg His Pro Ile Leu Phe Ile Ser His Leu Ile Ser Asp Ile Arg Glu
 325 330 335

Thr Trp Glu Thr Arg Ala Leu Thr Arg Ala Arg Val Arg Ala Arg Asp
 340 345 350

Gln Val Arg Glu Gln Glu Arg Ala Arg Ala Cys Val Ala Val Glu Gly
 355 360 365

Thr Pro Arg Asn Val Arg Asn Val Leu Leu Pro Gly Asp Ala Ser Ala
370 375 380

Pro His Ser Asp Arg Ala Ser Val Arg Pro Lys Pro Gln Thr Arg Ser
385 390 395 400

Thr Ser Val Tyr Arg Lys Pro Ala Ser Ile His His Lys Ser Ile Ser
405 410 415

Gly His Pro Lys Ser Ala Ser Val Tyr Pro Lys Pro Ala Ser Ser Val
420 425 430

His Cys Lys Pro Ala Ser Val His Phe Lys Pro Ala Ser Val His Phe
435 440 445

Lys Gly Asp Ser Val Tyr Phe Lys Gly Asp Thr Val His Tyr Arg Ala
450 455 460

Ala Ser Lys Leu Val Thr Ser His Arg Ile Ser Ala Gly Pro Ser Thr
465 470 475 480

Ser His Pro Thr Ser Met Ala Gly Tyr Ile Lys Ser Gly Thr Ser His
485 490 495

Pro Ala Thr Thr Thr Val Asp Tyr Leu Glu Pro Ala Thr Thr Ser His
500 505 510

Ser Val Leu Thr Ala Val Asp Leu Pro Glu Val Ser Ala Ser His Cys
515 520 525

Leu Glu Met Thr Ser Thr Gly His Leu Arg Ala Asp Ile Ser Ala Ser
530 535 540

Val Leu Pro Ser Val Pro Phe Glu Leu Ala Ala Thr Pro Pro Asp Thr
545 550 555 560

Thr Ala Ile Pro Ile Ala Ser Gly Asp Tyr Arg Lys Val Val Leu Ile
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<211> 119

<212> PRT

<213> Rattus sp.

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Asp Val Leu Pro Asn Val Tyr Ile Gly Thr Ile Glu Tyr Asp Pro Arg
35 40 45

Thr Tyr Thr Cys Tyr Phe Asn Tyr Val Asn Asn Pro Ala Phe Thr Val
50 55 60

Thr Ile Val Cys Ile His Phe Val Leu Pro Leu Ile Ile Val Gly Tyr
65 70 75 80

Cys Tyr Thr Lys Ile Trp Ile Lys Val Leu Ala Asp Arg Asp Pro Ala
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Gly Gln Asn Pro Asp Asn Gln Phe Ala Glu Val Arg Asn Phe Leu Thr
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Met Phe Val Ile Phe Leu Leu
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<212> DNA

<213> Rattus sp.

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gcctttactg tgaccattgt ctgcattccac ttcgtcctcc ctctcatcat agtcgggttat 240

tgctacacaa aaatctggat caaagtgtctg gcagaccggg acccagctgg acagaatcct 300

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